\_\_ of Sheet <u>1</u> Serial No. Atty Docket No. **EORM PTO-1449** U.S. Dept. of Commerce OIPE 39 613,400 P1761F1 Patent and Trademark Office LIST OF DISCLOSURES CITED BY APPLICANT DEC 2 6 2000 Applicant Ashkenari et al. Filing Date Group (Use several sheets if necessary) 2000 /646 26 Jun 0000 RADEMAN FOREIGN PATENT DOCUMENTS Translation Examiner Date Country Class Subclass Yes No Initials Document Number 417,563 21.15.91 EPO (ENGLISH ABSTRACT ATTACHED) ew WO 05. 52913 20.02.00 PCT .:0 92 03478 5.79.92 POT #3 92 17200 POT RECEIVED 15.1 .92 WD 97 01603 16..1.97 FCT 03 07.97 PCT (ENGLISH ABSTRACT ATTACHED) #0 97:23615 17 37.97 WD 97/25428 POT #D 97 33899 18 09.97 FOR H CENTER 1600/2900 WD 97 46696 11 1..97 POT 9 WO 98-51793 19 11.98 11 WO 99/10484 04 03.99 POT .70 99/36535 12 22 07.99 POT OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.) "Molecular and biological characterization of a murine ligand for CD40" Nature Armitage et al., NE7:6373):80-82 (1992) rW' Aruffo et al., "CD44 is the Principal Cel. Surface Receptor for Hyaluronate" Çell 61:1303-1313 (1990) 14 Ashkenazi and Dixit, "Death receptors: signaling and modulation" <code>\$çience 281(5381):1335 1338 (1998)</code> 15 Ashkenazi et al., "Protection Against Endotoxic Shock by a Tumor Necrosis Factor Seceptor Imminoadhesin' <u>Proc. Natl. Acad. Sci.</u> 39 10635-11539 (1991) 16 sanner et al., "Crystal Structure of the Soluble Human 55 kd TNF Receptor Human TNFeta Complex: Implications for TNF Receptor Activation" Cell 73:431-445 (1993) 17 Barr and Tomel, "Apoptosis and Its Role in Human Disease" <u>Bio Technology</u> 12:487-495 (1994) 18 Rodmer et al., "TRAMP, a Novel Apoptosis-Mediating Receptor with Sequence Homology to Tumor Necrosis Factor Receptor 1 and Fas(Apo-1/CD95)" Immunity 6:79-88 (1997) 19 crockhaus et al., "Identification of two types of tumor necrosis factor receptors on human cell lines by monoclonal antibodies" <u>Proc. Natl. Açad. Sci. USA</u> 87:3127-3131 (1990) 2.0 Brojatsch et al., "CARI, a TNFR-Related Protein, Is a Cellular Receptor for Cytopathic Avian Leukosis-Sarcoma Viruses and Mediates Apoptosis" <u>Cell</u> 87:345-855 (1996)

Examiner la rav - While

Activity" <u>Immunity</u> 11:253-261 (1999)

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Date Considered

5/14/02

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Lymphotoxin on the Cell Surface" <u>Cell</u> 72:847-856 (1993)

Browning et al., "Lymphotoxin eta, a Novel Member of the TNF Family That Forms a Heteromeric Complex with

Tha et al., "1.8 A Resolution Crystal Structure of Human TRAIL, a Cytokine with Selective Antitumor

Cha et al., "Expression, purification and crystallization of recombinant human TFAIL" <u>Acta</u> Chrystallographica, Section D: Biological Chrystallography 55:1121-1124 (1999)

| 7 |  |
|---|--|
|   |  |
|   |  |

LIST OF DISCLOSURES CITED BEAPFECA

## U.S. Dept. of Commerce Patent and Trademark Office

Atty Docket No. Serial No 9 6.3, -66 P1761R1 Applicant Ashkenazi et al. Filing Date Group

(Use several sheets if necessary

1636 26 Jun 2000 OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.) "High-level secretion of human growth hormone by Escherichia coli" <u>Gene</u> 55:149-196 25 (-W Chicheportiche et al., "TWEAK, a new secreted ligand in the tumor necrosis factor family that weakly induces apoptosis" <u>Journal of Biplogical Chemistry</u> 272(51):32411-32411 (1997) Thinnaiyan et al., "Signal Transluction by DR3, a Death Domain-Containing Receptor Related to INFR-1 and 27 2D95" <u>Science</u> 274:990-992 (1996) Christianson, D., "Strictural Biology of Zinc" <u>Advances in Protein Chemistry</u> 42:281-355 (1991) 2.8 DeBber et al., "Construction of a Tandem trp-lac Promoter and a Hybrid trp-lac Promoter for Efficient and Controlled Expression of the Human Growth Hormone Gene in Escherichia coli" <u>Promoters: Structure and</u> 29 <u>Function</u>, New York:Praeger pps. 462-481 (1982) Degli Esposti et al., "Cloning and Characterization of TRAIL-R3, a Novel Member of the Emerging TRAIL Seceptor Family" <u>Journal of Experimental Medicine</u> 186(7):1165-1170 (1997) 30 Degli-Esposti et al., "The Novel Receptor TRAIL-R4 Induces NF-KB and Protects against TRAIL-Mediated Apoptosis, yet Retains an Incomplete Death Domain" <u>Immunity</u> 7:813-820 (1997) 31 Feese et al, "Cation-promoted association of a regulatory and target protein is controlled by protein phosphorylation" Proc. Natl. Acad. 91:3544-3548 (1994) 32 Garcia et al., "The E. coli dhay Gene Encodes an Arginine Transfer RNA" <u>Cell</u> 45:453-459 (1986) 33 Golstein, P., 'Cell Death: TRAIL and its Receptors" <u>Curr. Biol</u> 7:R750-R753 (1997). 54 Goodwin et al., "Molecular cloning and expression of the type 1 and type 2 murine receptors for tumor necrosis factor" <u>Molegilar & Cellular Biology</u> 11:3020-3026 (1991) 3.5 Gruss and Dower, "Tumor Necrosis Factor Ligand Superfamily: Involvement in the Pathology of Malignant Lymphomas" <u>Blocd</u> 85:3378-3404 (1**99**5) Hale et al., "Demonstration of in vitro and in vivo efficacy of two biologically active human soluble TNF receptors expressed in E. coli" <u>J. Cell. Biochem.</u> (abstract only Supplement 15F; P 424) pps. 113 Hohmann et al., "Two different cell types have different major receptors for human tumor necrosis factor (TNFα) " Journal of Biological Chemistry 264(25):14927-14934 (1989) 3.8 Hymowitz et al., "A unique zinc-binding site revealed by the high-resolution X-ray structure of homotrimeric Apo2L, TRAIL" Biochemistry 39(4):633-640 (2000) 39 Hymowitz et al., "Triggering cell death: the crystal structure of Apoll TRAIL in a complex with death receptor 5" <u>Molecular Cell</u> 4(4):563-571 (1999) Itoh et al., "The polypeptide encoded by the cDNA for human cell surface antigen Fas can mediate apoptosis" <u>Cell</u> 66:233-243 (1991) 41 Johnson et al., "Expression and Structure of the Human NGF Receptor" Cell 47:545-554 (1986) 42 Karpusas et al., "The crystal structure of human interferon B at 2.2-A resolution" Proc. Natl. Acad. <u>Sci</u> 94:11813-11818 (1997) 43 Kirson et al., "A Death Domain Containing Receptor that Mediates Apoptosis" Nature 384:372-375 (1996) 44

Examiner

FUU

Date Considered

3/14/01

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| FORM                              | I`PTO-     | 1449 OTP & U.S. Dept. of Commerce   | Atty Docket No.                        | Serial No.                            |  |  |
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|                                   |            | Patont and Trademark Office   | P1761R1                                | 09 6.3,866                            |  |  |
|                                   |            | to Afr 2 a =  | Applicant                              |                                       |  |  |
| LIST                              | OF DI      | SCLOSURES CITED BY APPLICANT  | Ashkenazi et al.                       |                                       |  |  |
| (Use several sheets if necessary) |            |   |  |                                       |  |  |
|                                   |            | ADEMASA   | 26 Jun 2001                            | 1636                                  |  |  |
|                                   |            | OTHER DISCLOSURES (Including Author, Title, Date  | , Pertinent Pages, etc.)               |                                       |  |  |
| eu                                | <b>4</b> 5 | Kohno et al., "A second tumor necrosis factor receptor gene pro-<br>necrosis factor inhibitor" <u>Proc. Natl. Acad. Sci. 12A</u> 87:8331-   |  | rally occurring tumor                 |  |  |
|                                   | 46         | Komine et al., "Genomic Organization and Physical Mapping of the K12" <u>J. Mpl. B.ol.</u> 212 579-598 (1991)   | ne Transfer RNA Genes                  | in Escherichia coli                   |  |  |
|                                   | 47         | <pre>Kunkel et al., "Rapid and Efficient Site-specific Mutagenesis { Enzymplogy 154 367-382 (1987)</pre>  | Without Phenotypic Sel                 | ection <sup>®</sup> <u>Methods in</u> |  |  |
|                                   | 44         | Kunkel, T., "Rapid and Efficient Site-specific Mutagenesis With Acad. Sci. 82:488-492 (1955)  | hout Phéhotypic Select                 | ion" <u>Prog. Natl.</u>               |  |  |
|                                   | 49         | Lewis et al., Cloning and expression of cDNAs for two distinct demonstrate one receptor is species specific Proc. Natl. Acad  |  |                                       |  |  |
|                                   | 50         | Loetscher et al., "Molecular Cloning and Expression of the Huma<br>Cell 61:351-359 (1990)   | an 55 kd Tumor Necrosi                 | s Factor Receptor"                    |  |  |
|                                   | 51         | MacFarlane et al., 'Identification and Molecular Cloning of Two<br>TRAIL" <u>Journal of Biological Chemistry</u> 272(41):25417-25420 (198   | <del>-</del>                           | the Cytotoxic Ligand                  |  |  |
|                                   | 52         | Mallett et al., "Characterization of the MRC 0X40 Antigen of Ad<br>Molecule Related to Nerve Growth Factor Receptor" <u>EMBO Journal</u>  |  | T Lymphocytes - a                     |  |  |
|                                   | 53         | Marsters et al , "A Novel Receptor for Apoli.TRAIL Contains a :<br>":1003-1006 (1997)   | Truncated Death Domain                 | ı" <u>Current Biplogy</u>             |  |  |
|                                   | 54         | Marsters et al., "Activation of Apoptosis by Apo-2 Ligand is In<br>Carrent Blology 6(6):750-752 (1996)  |  |                                       |  |  |
|                                   | 55         | Marsters et al , "Apo-3, a New Member of the Tumor Necrosis Fac<br>Domain and Activates Apoptosis and NF-NB" <u>Curr Biol.</u> 6(12):166  |  | Contains a Death                      |  |  |
|                                   | 56         | Marsters et al , "Herpesvirus Entry Mediator, A Member of the 1<br>Interacts with Members of the TNFR-associated Factor Family and<br>NF-NB and AP-1" <u>Journal of Biological Chemistry</u> 272(22):14029-1  | i Activates the Transc<br>(4032 (1997) | ription Factors                       |  |  |
|                                   | 57         | Marsters et al., "Identification of a ligand for the death-doma<br>Biology 8(9):515-518 (1993)  |  |                                       |  |  |
|                                   | 58         | Mongkolsapaya et al., Cutting Edge Lymphocyte inhibitor of TE<br>ligand): a new receptor protecting lymphocytes from the death 1<br>160(1):3-6 (1998)   | ligand TRAIL" <u>Journal</u>           | of Immunology                         |  |  |
|                                   | 59         | Mongkolsapaya et al , "Structure of the TRAIL-DR5 complex revea<br>apoptotic initiation" <u>Nature Structura</u> , <u>Biology</u> 5(11):1048-1053   | 8 (Nov 1999)                           |                                       |  |  |
|                                   | 60         | Montgomery et al., Herpes Simplex Virus-1 Entry into Cells Mediated by a Novel Member of the TNF NGF<br>Leceptor Family" <u>Cell</u> 87(3):427-436 (1996)   |  |                                       |  |  |
|                                   | 61         | Mocentini et al., 'A new member of the tumor hecrosis factor ne inhibits T cell receptor-induced apoptosis" <a acad.="" factor="" hecrosis="" href="Proc. Natl. Acad. Section of the tumor hecrosis" natl.="" needs="" needs<="" of="" proc.="" section="" th="" the="" to="" tumor=""><th></th><th></th></a> |  |                                       |  |  |
|                                   | 62         | soluble form of the receptor" EMBO, Journal 9:3069-3078 (1990)  |  |                                       |  |  |
|                                   | 63         | Ctwinowski and Miner, "Processing of X-ray Diffraction Data Col<br>Ingymology, Carter and Sweet, San Diego, CA:Academic Press Vol.  | . 276:307-326 (1997)                   |                                       |  |  |
| ·                                 | *64        | Otwinowski et al. <u>Proceedings of the CCP4 Study Weekend: Data C</u><br>Daresbury, England Daresbury Laboratory pps. 56-62 (1993)   | Collection and Process                 | ing, Sawyer et al.,                   |  |  |
| Examine                           | Γ          | EW  | Pate Considered 5/19                   | 101                                   |  |  |
|                                   |            | tial if reference considered, whether or not citation is in conformance with MPEP ormance and not considered. Include copy of this form with next communication   |  | ation                                 |  |  |

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| Ashkenazi et al. |            |

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### LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

OTHER DISCLOSURES (Including Author, Mitle, Date, Pertinent Pages, etc.)

|         |   | OTHER DISCLOSURES (Including Author, Title   | e, Date, Pertinent Pages, etc.)                             |
|---------|---|--|---|
| Eur     | 65  | Pan et al., "An Antagonist Decoy Receptor and a Death-dom<br>177:315-318 (1997)  | ain Containing Receptor for TRAIL" <u>Science</u>           |
| 1       | 66  | Pan et al., "Identifination and functional characterinati<br>receptor" <u>FEBS Letters</u> 431(3):351-356 (1998)   | on of DR6, a novel death domain-containing TNF              |
| $\top$  | 67  | Pan et al., "The Receptor for the Cytotoxic Ligand TRAIL"  | <u>Science</u> 276:111-113 (1997)                           |
|         | 63  | Pan et al., "TRUNDD, a new member of the TRAIL receptor f<br><u>letters</u> 434(1-2):41-45 (1998)  | amily that antagonizes TRAIL signalling" <u>FEBS</u>        |
|         | 69  | Peetre et al , "A tumor necrosis factor binding protein i<br><u>Journal of Haematology</u> 41:414-419 (1988)   | s present in human biological fluids" <u>European</u>       |
|         | 70  | Pitti et al., "Genomic amplification of a decoy receptor 196(6712) 699-703 (1948)  | for Fas ligand in lung and colon cancer" <u>Natur</u>       |
|         | 71  | Fitti et al., "Induction of Apoptosis by Apo-2 Ligand, a Cytokine Family" <u>Journal of Biological Chemistry</u> 271:1268  |   |
|         | 72  | Fadeke et al., "Gene transfer and molecular cloning of th 325:593-597 (1987)   | e rat nerve growth factor receptor" <u>Nature</u>           |
|         | 7'3   | Fadhakrishnan et al., "Zinc mediated dimer of human inter<br>Structure 4:1453-1463 (1996)  | feron- $lpha_{	ext{2b}}$ revealed by X-ray crystallography" |
|         | -'4   | Raman et al., 'Crystal Structure of Constitutive Endothel<br>Eterin Function Involving a Novel Metal Center' <u>Cell</u> 95:9  |   |
|         | Schall et al., "Molecular Cloning and Expression of a Receptor for Human Tumor Necrosis Factor of 61:361-370 (1990) |  |   |
|         | 76  | Schneider et al., "Characterization of two receptors for   | TRAIL" <u>FEBS Letters</u> 416:329-334 (1997)               |
|         | 77  | Scholtissek and Grosse, "A cloning cartridge of $\lambda$ to term  | inator" <u>Nucl. Acids Res.</u> 15(7):3185 (1987)           |
|         | 7.8   | Screaton et al., 'LARD: A new lymphoid-specific death dom alternative pre-mENA aplicing" Proc. Natl. Acad. Sci. 94:  |   |
|         | 7.9   | Screaton et al., "TRICK2, a new alternatively spliced rec<br>TRAIL" <u>Current Biclom</u> , 7:593-696 (1997)   | eptor that transduces the cytotoxic signal fro              |
|         | 80  | Seckinger et al., "Purification and biologic characteriza<br>Inhibitor" <u>Journal of Biological Chemistry</u> 264:11966-1197  |   |
|         | 81  | Sheldrick et al., "SHELXL: High-Resolution Refinement" Me<br>Vol. 277:319-343 (1997)   | thods in Enzymology, San Diego:Academic Press               |
| \       | 82  | Sheridan et al., "Control of TRAIL-Induced Apoptosis by a <u>Science</u> 277:818-821 (1997)  | Family of Signaling and Decoy Receptors"                    |
|         | 83  | Simonet et al., "Osteoprotegerin: A Novel Secréted Protei<br>Cell 89:309-319 (1997)  | n Involved in the Regulation of Bone Density"               |
|         | a.j.  | Smith et al., "A Receptor for Tumor Necrosis Factor Defin<br>Proteins" <u>Science</u> 24%:1019-1023 (1990)   | es an Unusual Family of Cellular and Viral                  |
| Examine | er<br>er  | in the second se | Date Considered 1/4/2                                       |

EUU

1/14/02

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| FORM    | PTO-    | 1449  | U.S. Dept. of Commerce                                       | Atty Docket No.                    | Serial No.                            |
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| LIST    | OF DI   | SCLOSURES CITED BY APPLICANT  |  | Applicant Ashkenazi et al.         |                                       |
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|         |         | OTHER DISCLOSURE  | S (Including Author, Attle, Dat                              | e, Pertinent Pages, etc.)          | · · · · · · · · · · · · · · · · · · · |
| ( 10"   | 85      | Smith et al., "T2 Open reading frame receptor" <u>Biochem, &amp; Biophys, Res. Co</u>                     |  | irus encodes a solubl              | e form of the TNF                     |
|         | 86      | Somers et al., "The X-ray structure o (19)4)  |  |                                    |                                       |
|         | 87      | Stamenkovic et al , "A B-lymphocyte acindiced by cytokines in carcinomas" E                               | ctivation molecule relata<br>MBO <u>Jeurnal</u> 4(5):1413-14 | ed to the nerve growt<br>10 (1989) | n factor receptor and                 |
|         | 88      | Steller, H., "Mechanisms and Genes of   | Cellular Sulcide" S <u>cien</u>                              | <u>ce</u> 267:1445-1449 (199       | 5)                                    |
|         | 89      | Sutcliffe, J., "Complete nucleotide so<br>Symposia on Quantitative Biology 43:7                           | 7-90 (1979)  |                                    |                                       |
|         | 90      | Takao et al., "Novel DNA Polymorphism<br>Immunogenetics 37:199-203 (1993)                                 |  |                                    |                                       |
|         | 91      | Upton et al., "Myxoma virus expresses receptor gene family that contributes                               | to viral virulence" <u>Viro</u>                              | ology 184:370-382 (19              | 91)                                   |
|         | 92      | Upton et al., "Tumorigenic poxviruses the shope fibroma virus genome" <u>Virol</u>                        | ogy 160 20-30 (1937)   |                                    |                                       |
|         | 93      | Walczak et al., "TRAIL-R2: a novel apo<br>(1997)  | optosis-mediating recepto                                    | or for TRAIL" <u>EMBO Jo</u>       | <u>urnal</u> 16(17):5386-5397         |
|         | ' -     | Welcher et al., "Nerve growth factor l<br>Acad. Sci. USA 88:159-163 (1991)                                | -  |                                    |                                       |
|         |         | Wiley et al., "Identification and Cha.<br>Apoptosis" <u>Immunity</u> 3:673-682 (1995)                     |  |                                    |                                       |
|         | 96      | Wu et al., "KILLER DR5 is a DNA damage<br>17:141-143 (1997)   |  |                                    |                                       |
|         | 97      | Yan and Chao, "Disruption of Cysteine of ligand binding" Journal of Biologic                              |  |                                    | receptor leads to loss                |
|         | 98      | Yonehara et al., "A cell-killing monor<br>co-downregulated with the receptor of<br>169.1747-1756 (1989)   |  |                                    | antigen<br>al <u>Medicine</u>         |
|         |         |   |  |                                    | DECEN                                 |
|         |         |   |  |                                    | RECEIVED                              |
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U.S. Dept. of Commerce Patent and Trademark Office

Serial No. Atty Docket No. 09-603,866 P1761R1

**Applicant** 

Ashkenazi et al.

Filing Date Group 26 Jun 2000 1636

## LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

| Examiner<br>nitials |     | Document Number | Date       | Country                                      | Class         | Subclass    | Translatior<br>Yes |
|---------------------|-----|-----------------|------------|--|---------------|-------------|--------------------|
| 711                 | 2   | 417,563         | 20.03.91   | EPO (ENGLISH ABSTRACT ATTACHED)              |               |             |                    |
| EU                  | 2   | W0 00/02900     | 20.01.00   | PCT  |               |             |                    |
| i l                 | 3   | W0 92/03478     | 05.03.92   | PCT  |               |             | 1                  |
|                     | 4   | W0 92/17200     | 15.10.92   | PCT  | ,             | ( <u>.</u>  | 品                  |
|                     | 5   | W0 97 01633     | 16.01.97   | PCT  |               | FEB 26 2001 | CENED              |
| 1                   | 6   | WO 97 23615     | 03.07.97   | PCT (ENGLISH ABSTRACT ATTACHED)              |               | FEB 26 2001 |                    |
|                     | 7   | W0 97/25423     | 17.07.97   | PCT  |               | 1ER 167     |                    |
| -   -               | 8   | WO 97/33899     | 18.09.97   | PCT  |               | 160 19      |                    |
|                     | 9   | WO 97 46686     | 11.12.97   | PCT  |               | 0/29        |                    |
|                     | 10  | WO 98/51793     | 19.11.98   | PCT  |               | ક           |                    |
|                     | 11  | W0 99/10484     | 04.03.99   | PCT  |               |             |                    |
|                     | 12: | WO 99/36535     | 22.07.99   | PCT  |               |             |                    |
| ₩                   |     | 1               | OTHER DISC | LOSURES (Including Author, Title, Date, Pert | nent Pages, e | tc.)        | L                  |

|        | ,   | Armitage et al., "Molecular and biological characterization of a murine ligand for CD43" Nature   |
|--------|-----|---|
| jour   | 13  | 357(6373):80-82 (1992)  |
| 1      | 14  | Aruffo et al., "CD44 is the Principal Cell Surface Receptor for Hyaluronate" <u>Cell</u> 61:1303-1313 (1990)  |
|        | 15  | Ashkenazi and Dixit, "Death receptors: signaling and modulation" <u>Science</u> 181(53°1):1338-1338 (1998)  |
|        | 16  | Ashkenazi et al., "Protection Against Endotoxic Shock by a Tumor Necrosis Factor Receptor Immunoadhesin"<br><u>Proc. Natl. Acad. Sci.</u> 88:13535-13539 (1991)                       |
| $\top$ | 17  | Banner et al., "Crystal Structure of the Soluble Human 55 kd TNF Receptor-Human TNF\$ Complex:<br>Implications for TNF Receptor Activation" <u>Cell</u> 73:431-445 (1993)             |
| 1      | 18  | Barr and Tomei, "Apoptosis and Its Role in Human Disease" <u>Bio Technology</u> 12:487-493 (1994)   |
|        | 19  | Bodner et al., "TRAMP, a Novel Apoptosis Mediating Receptor with Sequence Homology to Tumor Necrosis Factor Receptor 1 and Fas(Apo-1/CD95)" <u>Immunity</u> 6:79-88 (1997)            |
|        | 20  | Brockhaus et al., "Identification of two types of tumor necrosis factor receptors on human cell lines by monoclonal antibodies" <u>Proc. Natl. Acad. Sci. USA</u> 87:3107-3131 (1991) |
|        | 21  | Brojatsch et al., "CARI, a TNFR-Related Protein, Is a Cellular Receptor for Cytopathic Avian<br>Leukosis-Sarcoma Viruses and Mediates Apoptosis" <u>Cell</u> 87:845-855 (1996)        |
|        | 21. | Browning et al., "Lymphotoxin $\beta$ , a Novel Member of the TNF Family That Forms a Heteromeric Complex with Lymphotoxin on the Cell Surface" Cell 72:847-856 (1993)                |
|        | 23  | Cha et al., "2.8 A Resolution Crystal Structure of Human TRAIL, a Cytokine with Selective Antitumor Activity" <u>Immunity</u> 11:053-061 (1999)                                       |
| Ţ      | 24  | Cha et al., "Expression, purification and crystallimation of recombinant human TRAIL" A <u>cta</u><br>Chrystallographica, Section D: Biological Chrystallography 55:1101-1104 (1999)  |

Examiner

EUU

Date Considered

1/14/01

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FORM PTO-1449 LIST OF DISCLOSURES CITED BY APPLICANT TRADE

U.S. Dept. of Commerce Patent and Trademark Office

Serial No. Atty Docket No. 39 623,466 P1761R1 **Applicant** 

Ashkenazi et al.

Filing Date Group

(Use several sheets if necessary)

|                |            | 26 Jun 2000 Loss   |
|----------------|------------|--|
|                |            | OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)   |
| cw             | 25         | Chang et al., "High-level secretion of human growth hormone by Escherichia coli" <u>Gene</u> 55:139-196 (1987)   |
|                | 26         | Chicheportiche et al., "TWEAK, a new secreted ligand in the tumor necrosis factor family that weakly induces apoptosis" <u>Journal of Biological Chemistry</u> 272(51):32401-32410 (1997)  |
|                | 27         | Chinnalyan et al., "Signal Transduction by DR3, a Death Domain-Containing Receptor Related to TNFR-1 an CD95" <u>Science</u> 274:990-992 (1996)  |
|                | 28         | Christianson, D., "Structural Biology of Zinc" <u>Advances in Protein Chemistry</u> 42:281-355 (1991)  |
|                | 29         | DeBoer et al., "Construction of a Tandem trp-lac Promoter and a Hybrid trp-lac Promoter for Efficient and Controlled Expression of the Human Growth Hormone Gene in Escherichia coli" <u>Promoters: Structure an Eunction</u> , New York:Praeger pps. 462-481 (1982) |
|                | 3-0        | Degli-Esposti et al., "Cloning and Characterization of TRAIL-R3, a Novel Member of the Emerging TRAIL<br>Receptor Family" <u>Journal of Experimental Medicine</u> 186(7):1165-1170 (1997)  |
|                | 31         | Degli-Esposti et al., 'The Novel Receptor TRAIL-R4 Induces NF-x8 and Protects against TRAIL-Mediated Apoptosis, yet Retains an Incomplete Death Domain" <u>Immunity</u> 7 813-820 (1997)   |
|                | 3.2        | Feese et al, "Cation-promoted association of a regulatory and target protein is controlled by protein phosphorylation" <u>Proc. Natl. Acad.</u> 91:3544-3548 (1994)  |
|                | 3.3        | Garcia et al., "The E. doli dnay Gene Encodes an Arginine Transfer RNA" <u>Cell</u> 45:453-459 (1986)  |
|                | 34         | Golstein, P., "Cell Death: TRAIL and its Receptors" <u>Curr. Biol</u> 7:R750-R753 (1997)   |
|                | 35         | Goodwin et al., "Molecular cloning and expression of the type 1 and type 2 murine receptors for tumor necrosis factor" <u>Molecular &amp; Cellular Biology</u> 11:3020-3026 (1991)   |
|                | 36         | Griss and Dower, "Tumor Necrosis Factor Ligand Superfamily: Involvement in the Pathology of Malignant<br>Lymphomas" <u>Blood</u> 85:3378-3404 (1995)   |
|                | 37         | Hale et al., "Demonstration of in vitro and in vivo efficacy of two biologically active human soluble<br>TNF receptors expressed in E. coli" J. <u>Cell. Biochem.</u> (abstract only Supplement 15F; P 424) pps. 113<br>(1991)                                       |
|                | 38         | Hohmann et al., "Two different cell types have different major receptors for human tumor necrosis facto (TNFα)" <u>Journal of Biological Chemistry</u> 264(25):14927-14934 (1989)  |
|                | 39         | Hymowitz et al., "A unique zind-binding site revealed by the high-resolution X-ray structure of nometrimeric Apo2L/TRAIL" <u>Biochemistry</u> 39(4):633-640 (2000)   |
|                | 40         | Hymowitz et al., "Triggering cell death: the crystal structure of Apoll TRAIL in a complex with death receptor 5" Molecular Cell 4(4):563-571 (1999)   |
|                | 41         | Itoh et al., "The polypeptide encoded by the cDNA for human cell surface antigen Fas can mediate apoptosis" <u>Cell</u> 66:233-243 (1991)  |
|                | 42         | Johnson et al., "Expression and Structure of the Human NGF Receptor" <u>Cell</u> 47:545-554 (1986)   |
|                | <b>4</b> 3 | Karpusas et al., "The crystal structure of human interferon β at 2.2-A resolution" <u>Proc. Natl. Acad.</u> <u>Spi.</u> 94:11813-11818 (1997)  |
| - <del>)</del> | 111        | Sci. 94:11313-11818 (1997)  Eitson et al., "A Death-Domain-Containing Receptor that Mediates Apoptosis" Nature 284:372-375 (1996)  |
| Examine        | er         | Date Considered S S O  |
| L              |            | tu 1/4/01 & D  |
| *Examir        | ner: In    | itial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation   |

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U.S. Dept. of Commerce Patent and Trademark Office

Serial No. Atty Docket No. .9 603,866 P1761R1

**Applicant** 

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## LIST OF DISCLOSURES CITED BY APPLICAN

| (C      | ise sev  | eral sneets ii necessary)   | 16 Jun 2000                    | 1636                      |  |  |
|---------|--|---|--------------------------------|---------------------------|--|--|
|         |  | OTHER DISCLOSURES (Including Author, Title, Da  |                                |                           |  |  |
| ( he    | 45   | Kohno et al., "A sécond tumor necrosis factor receptor gene p<br>necrosis factor inhibitor" <u>Proc. Natl. Acad. Sci. USA</u> 87:8331   |                                | ally occurring tumor      |  |  |
|         | 46   | Komine et al., "Genomic Organization and Physical Mapping of the Transfer RNA Genes in Escherichia coli<br>6 El2" <u>J. Mol. Biol.</u> 212:579-599 (1990)   |                                |                           |  |  |
|         | 47   | Funkel et al., "Rapid and Efficient Site-specific Mutagenesis<br><u>Encymplogy</u> 154:367-382 (1987)   | Without Phenotypic Sel         | ection" <u>Methods in</u> |  |  |
|         | 48   | Finkel, T., "Rapid and Efficient Site-Specific Mutagenesis Wi<br><u>Agad, Spi.</u> 82:488-492 (1985)  |                                |                           |  |  |
|         | 49   | Lewis et al., "Cloning and expression of cDNAs for two distindemonstrate one receptor is species specific" <a href="Proc. Natl. Aca">Proc. Natl. Aca</a>  | <u>id. Sgi USA</u> 88:2830-283 | 4 (1991)                  |  |  |
|         | 50   | Loetscher et al., "Molecular Cloning and Expression of the Hu $(\underline{\text{Call}},61:351-359)$ (1990)   |                                |                           |  |  |
|         | 5.1  | MacFarlane et al., "Identification and Molecular Cloning of T<br>TFAIL" <u>Journal of Biological Chemistry</u> 272(41) 25417-25420 (1   |                                | the Cytotoxic Ligand      |  |  |
|         | 52   | Mallett et al., "Characterization of the MRC OX40 Antigen of<br>Molecule Related to Nerve Growth Factor Receptor" <u>EMBO Journa</u>  | <u>il</u> 9:1063-1068 (1990)   |                           |  |  |
|         | 53   | Marsters et al , "A Novel Receptor for Apo2L/TRAIL Contains a Truncated Death Domain" <u>Current Biology</u> ":1(03-1006 (1997)   |                                |                           |  |  |
|         | 54   |   |                                |                           |  |  |
|         |  |   |                                |                           |  |  |
|         | Marsters et al , "Herpesvirus Entry Mediator, A Member of the Tumor Necrosis Factor (TNFR) Family, 56 Interacts with Members of the TNFR-associated Factor Family and Activates the Transcription Factors NF-NB and AP-1" Journal of Biological Chemistry 273(22):14029-14032 (1997) |   |                                |                           |  |  |
|         | 5.7  | Marsters et al., "Identification of a ligand for the death-domain-containing receptor Apol" <u>Current</u><br>57 <u>Biology</u> 8(9):525-528 (1998)   |                                |                           |  |  |
|         | Mongkolsapaya et al., "Cutting Edge: Lymphocyte inhibitor of TRAIL: (TNF-related apoptosis-inducing 58 ligand): a new receptor protecting lymphocytes from the death ligand TRAIL" <u>Journal of Immunology</u> 1:0(1):3-6 (1998)  |   |                                | of Immunology             |  |  |
|         |  |   |                                |                           |  |  |
|         | 60   | Montgomery et al., "Herpes Simplex Virus-1 Entry into Cells N<br>Receptor Family" <u>Cell</u> 97(3):427-436 (1996)  |                                |                           |  |  |
|         | 61   | Nocentini et al., "A new member of the tumor necrosis factor nerve growth factor receptor family inhibits T cell receptor induced apoptosis" <u>Proc. Natl. Acad. Sci.</u> #4(13) 6316-6231 (1997)  |                                |                           |  |  |
|         | 62   | Mophar et al., "Soluble forms of tumor necrosis factor receptors (TNF-Rs). The cDNA for the type I<br>TNF-R, cloned using amino acid sequence data of its soluble form, encodes both the cell surface and a<br>soluble form of the receptor" <u>EMBO Journal</u> 3:3369-3278 (1990) |                                |                           |  |  |
|         | 63   | utwinowski and Minor, "Processing of X-ray Diffraction Data C<br>Ensymology, Carter and Sweet, San Diego, CA.Anademic Press Vo  | 51. 276.307-326 (1997)         |                           |  |  |
|         | *64  | Otwinowski et al. <u>Proceedings of the CCP4 Study Weekend: Date</u><br>Daresbury, England:Daresbury Laboratory pps. 59-62 (1993)   |                                | <u>ing</u> Sawyer et al., |  |  |
| Examine | er   | (w  | Date Considered                |                           |  |  |

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through Mation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## LIST OF DISCLOSURES CITED BY APPLICANT

| (L      | Jse sev  | veral sheets if necessary)   | 26 Jun 2000                         | 1636                        |  |
|---------|--|--|-------------------------------------|-----------------------------|--|
|         | OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.) |  |                                     |                             |  |
| fuu     | 65   | Pan et al., "An Antagonist Decoy Receptor and a Death domai<br>277:815-318 (1997)  | n Containing Receptor for           | TRAIL" <u>Spience</u>       |  |
| 1       | 56   | Pan et al., "Identification and functional characterization receptor" FEBS Letters 431(3):351-356 (1998)   | of DR6, a novel death do            | main-containing TNF         |  |
|         | 67   | Pan et al., "The Receptor for the Cytotoxic Ligand TRAIL" <u>Science</u> 276:111-113 (1997)  |                                     |                             |  |
|         | 58   | Pan et al., "TRUNDD, a new member of the TRAIL receptor family that antagonizes TRAIL signalling" F <u>EBS</u><br><u>Letters</u> 424(1-1):41-45 (1998)                           |                                     |                             |  |
|         | 69   | Peetre et al., "A tumor necrosis factor binding protein is<br>Journal of Haematology 41:414-419 (1988)   |                                     |                             |  |
|         | 70   | Pittl et al., 'Genomic amplification of a decoy receptor fo<br>336(6712):699-703 (1998)  | or Fas ligand in lung and           | colon dander" <u>Nature</u> |  |
|         | -7 -   | Pittl et al., "Induction of Apoptosis by Apo-2 Ligand, a Ne<br>Cytokine Family" <u>Journal of Biological Chemistry</u> 271:12687-  | 12690 (1996)                        |                             |  |
|         | 72   | Radeke et al., "Gene transfer and molecular cloning of the 325:593-597 (1987)  |                                     |                             |  |
|         | 73   | Radhakrishnan et al., "Zinc mediated dimer of human interferon- $a_{2b}$ revealed by X-ray crystallography"<br>Structure 4:1453-1463 (1996)                                      |                                     |                             |  |
|         | 74   | Raman et al., "Crystal Structure of Constitutive Endothelial Nitric Oxide Synthase: A Paradigm for Pterin Function Involving a Novel Metal Center" <u>Cell</u> 95:939-950 (1998) |                                     |                             |  |
|         | 75   | Schall et al., "Molecular Cloning and Expression of a Receptor for Human Tumor Necrosis Factor" <u>Cell</u><br>61:361-370 (1990)   |                                     |                             |  |
|         | 76   | Schneider et al., "Characterization of two lecyptors for TRAIL" <u>FEBS Letters</u> 416:319-334 (1997)   |                                     |                             |  |
|         | 77   | Scholtissek and Grosse, "A cloning cartridge of $\lambda$ to termin  | ator" Nyc <u>i, Acids Res.</u> 15   | (7):3185 (1987)             |  |
|         | 78   |  |                                     |                             |  |
|         | 79   | Screaton et al , "TRICK2, a new alternatively spliced recep<br>TRAIL" <u>Current Biology</u> 7:693-696 (1997)  | tor that transduces the c           | ytotoxic signal from        |  |
|         | 93   | Seckinger et al., "Furification and biologic characterizati<br>Inhibitor" <u>Journal of Biological Chemistry</u> 264:11966-11973   | on of a specific tumor ne<br>(1989) | crosis factor $\alpha$      |  |
|         | 81   | Sheldrick et al., "SHELXL: High-Resolution Refinement" <u>Methods in Enzymology</u> , San Diego:Academic Press<br>Vol. 277:319-343 (1997)  |                                     |                             |  |
|         | 82   | Sheridan et al , "Control of TRAIL-Induced Apoptosis by a Family of Signaling and Decoy Receptors"<br>Science 277:818-821 (1997)   |                                     |                             |  |
|         | 93   | Simonet et al., "Osteoprotegerin: A Novel Secreted Protein<br>Gell 89:309-319 (1997)   | Involved in the Regulatio           | n of Bone Density"          |  |
| Ċ       | 94   | Smith et al., "A Receptor for Tumor Necrosis Factor Defines<br>Proteins" <u>Science</u> 248:1019-1003 (1990)   | s an Unusual Family of Co           | wlar and Viral              |  |
| Examine | er   | Eu   | Date Considered                     | R <sub>F</sub>              |  |

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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|---------|--|--|-----------------------|---------------------|
|         | OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.) |  |                       |                     |
| (w      |  | Smith et al., "T2 Open reading frame from the shope fibroma vir:<br>receptor" <u>Biochem. &amp; Biophys, Res. Comm.</u> 176:335-342 (1991)   | us encodes a soluble  | form of the TNF     |
|         | 86   | Somers et al., "The X-ray structure of a growth hormone-prolactin receptor complex" <u>Nature</u> 372:478-481 (1934)   |                       |                     |
|         | 87   | Stamenkovic et al., "A B-lymphocyte activation molecule related induced py cytokines in carcinomas" <u>EMBO Journal</u> 8(5):1403-1410   |                       | factor receptor and |
|         | 9.8  | Steller, H., 'Mechanisms and Genes of Cellular Suicide" <u>Science</u>   | 267:1445-1449 (1995)  |                     |
|         | 89   | Sutcliffe, J., "Complete nucleotide sequence of the Escherichia<br>Symposia on Quantitative Biology 43:77-90 (1979)  | coli plasmid pBR322"  | Cold Spring Harbor  |
|         | 90   | Takao et al., "Novel DNA Polymorphism in the Mouse Tumor Necros.<br>Immunogenetics 37:199-203 (1993)   | is Factor Receptors T | ype 1 and Type 2"   |
|         | 91   | Upton et al., "Myxoma virus expresses a secreted protein with he receptor gene family that contributes to viral virulence" <u>Virological Contributes of Virological Contributes of Virol</u> |                       |                     |
|         | 92   | Upton et al., "Tumorigenic poxviruses: genomic organization and<br>the shope fibroma virus genome" <u>Virology</u> 160:20-30 (1987)  | DNA sequence of the   | telomeric region of |
|         | 93   | Walczak et al., "TRAIL-R2: a novel apoptosis-mediating receptor for TRAIL" <u>EMBO Journal</u> 16(17):5386-5397 (1997)   |                       |                     |
|         | _  | Welcher et al., "Nerve growth factor binding domain of the nerve growth factor receptor" <u>Proc. Natl.</u> <u>Acad. Sci. USA</u> 88 159 163 (1991)  |                       |                     |
|         | 95   | Wiley et al., "Identification and Characterization of a New Member of the TNF Family that Induces<br>Apoptosis" <u>Immunity</u> 3:673-682 (1995)   |                       |                     |
|         | 96   | Wu et al., "KILLER/DR5 is a DNA damage-inducible p53 regulated death receptor gene" <u>Nature Genetics</u><br>17:141-143 (1997)  |                       |                     |
|         | 97   | Yan and Chao, "Disruption of Cysteine-rich repeats of the p75 nerve growth factor receptor leads to loss of ligand binding" <u>Journal of Biological Chemistry</u> 266:12099 12104 (1991)  |                       |                     |
|         | 98   | Yonehara et al., "A cell-killing monoclonal antibody (anti-Fas) to a cell surface antigen co-downregulated with the receptor of tumor necrosis factor" <u>Journal of Experimental Medicine</u> 169:1747-1756 (1989)  |                       |                     |
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# LIST OF DISCLOSURES CITED BY APPLICANT

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| OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.) |     |   |  |  |
|--|-----|---|--|--|
| tru  | 1   | Cha et al., "Giystal Stricture of TRAIN DRS Complex Identifies a Critical Fole of the Unique Frame<br>Insertion in Conferring Recognition Specificity" <u>The Journal of Biological Chemistry</u> , JBC Papers in<br>Press Mol. 275(40):31171 31177 (Chly II, 2011) |  |  |
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| ew   |         | .01/18041  | 03/15/01 | PCT (WO)   |   |                          |     |                   |                   |             |  |  |
| l  |         | .01/18055  | 03/15/01 | PCT(WO)    |   |                          |     |                   |                   |             |  |  |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |         |            |          |            |   |                          |     |                   |                   |             |  |  |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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